

REMARKS

Applicant respectfully requests the Examiner's reconsideration of the present application. Claims 1, 3-10, 12, 13, 15-22, and 24-28 have been cancelled. No claims have been amended. Claims 29-43 have been added. Therefore, claims 29-43 are presented for examination.

Rejections Under 35 U.S.C. §103(a)

Claims 1, 3-5, 12-13, 15-17 and 24-27 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Le et al., "A new flexible architecture for variable length DC targeting shape-adaptive transform" ("Le") in view of Mogi et al, U.S. Patent No. 6,687,724 ("Mogi"). Claims 6-8 and 18-20 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Le et al., in view of Mogi et al, and further in view of Huang, U.S. Patent No. 5,610,849 ("Huang"). Claims 9-10, 21-22 and 28 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Lee et al., "in view of Mogi et al, and further in view of Smith, "Subword extensions for video processing on mobile systems" ("Smith").

Applicant respectfully submits that since claims 1, 3-10, 12, 13, 15-22, and 24-28 have been cancelled, the above rejections have been rendered moot.

New Claims

Applicant has submitted new claims 29-43. Applicant respectfully submits that the newly added claims are patentable over the references cited above. In particular, independent claims 29, 34 and 39 include the limitation of forming [A] as a matrix of predetermined values and multiplication operations, wherein the multiplication operations are selectively positioned into pairs within [A] to reduce the number of the multiplication operations upon factorization of [A].

Conclusion

Applicant respectfully submits that in view of the amendments and discussion set forth herein, the pending claims are in condition for allowance.


If the Examiner determines the prompt allowance of the claims could be facilitated by a telephone conference, the Examiner is invited to contact Scott Heilesen at (408) 720-8300.

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due.

Respectfully submitted,

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